

A.2.22 AOC 1

Description

AOC 1 consists of Tank Basin 1, which is located in the Main Yard immediately north of Maurer Road. The investigation area was identified based on an apparent release of petroleum products into the surrounding earth-bermed basin identified in an aerial photo dated April 10, 1940. The Tank was approximately 114 feet in diameter and the basin, which is nearly circular, is approximately 200 feet in diameter. The material managed during this 1940 release was likely pitch (asphalt). The tank was also used to store No. 6 Fuel Oil, recovered oil and sour water prior to being taken out of service in 1980. Tank 1 was dismantled in 2002.

As shown on Figure A.2.18 and summarized on Table A.2.18, four soil borings and four soil samples were used to characterize this AOC.

Soils

Four soil borings (PZ0015, SB0104, SB0105 and SB0106) were installed during the 1st-Phase Soils Investigation to provide data for source characterization of AOC 1. One sample was collected from each of the borings (all from fill material within AOC 1). All of the soil samples were analyzed for Skinner's List VOCs and SVOCs and TPH.

Staining was noted in three of the four borings, and odor was detected in two of the four borings. PID readings ranged from 0.8 to 220 ppm. However, no exceedances of the soil delineation criteria were detected in the four samples from this AOC. Two of the samples were collected from the intervals with the highest PID readings.

Groundwater

Low concentrations of benzene (2 µg/L) were detected in hydropunch sample H0302 and monitoring well MW-133, both of which are located down gradient of AOC 1. However, it is unlikely that AOC 1 is a continuing source (or was historically) of the dissolved-phase benzene because there were no exceedances of benzene (or any other compound) detected in any of the soil samples from this AOC. Further discussion of the potential groundwater impacts in the vicinity of AOC 1 is included in Section 8 of the Report.

Summary

In summary, no soil delineation criteria were exceeded in the four soil samples from this AOC. Therefore, Chevron recommends no further action for this AOC.